

Title (en)

ACTUATING ASSEMBLY FOR MOVING AN OPERATIVE MEMBER OF A GLASSWARE FORMING MACHINE

Title (de)

STELLANORDNUNG ZUM BEWEGEN EINES OPERATIVEN ELEMENTS EINER GLASWARENFORMMASCHINE

Title (fr)

ENSEMBLE D'ACTIONNEMENT POUR DÉPLACER UN ÉLÉMENT OPÉRATIONNEL D'UNE MACHINE DE FORMAGE DE VERRE

Publication

EP 2881372 A1 20150610 (EN)

Application

EP 14196413 A 20141204

Priority

IT TO20130990 A 20131204

Abstract (en)

In a glassware forming machine (1), an actuating assembly (6) of an operative member (5) has a connecting frame (9); a shaft (10) for supporting the operative member (5) coupled to the connecting frame (10) to translate and rotate about a fixed axis (12) thereof; a pneumatic jack (30) for displacing the supporting shaft (10) along the axis (12) provided with a rod (28,29) connected to the supporting shaft (10); a cam and tappet device (25) for rotating the supporting shaft (10) in opposite directions about the axis (12); and a hydraulic device (35) for stabilizing the motion of the shaft (10); the rod (28,29) having at least one hollow portion (29) for housing the hydraulic motion stabilizing device (35).

IPC 8 full level

C03B 40/00 (2006.01); **C03B 7/14** (2006.01); **C03B 7/16** (2006.01); **C03B 9/16** (2006.01); **C03B 9/193** (2006.01); **C03B 9/40** (2006.01); **F15B 15/06** (2006.01)

CPC (source: EP US)

C03B 7/14 (2013.01 - EP US); **C03B 7/16** (2013.01 - EP US); **C03B 9/165** (2013.01 - EP US); **C03B 9/1932** (2013.01 - EP US); **C03B 9/403** (2013.01 - EP US); **F15B 15/06** (2013.01 - US)

Citation (search report)

- [A] US 5266095 A 19931130 - FUTTERKNECHT FRITZ [CH], et al
- [A] US 4120683 A 19781017 - IRWIN GEORGE W
- [A] JP H0967128 A 19970311 - TOYO GLASS MACHINERY
- [A] EP 0915269 A1 19990512 - EMHART GLASS SA [CH]

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2881372 A1 20150610; **EP 2881372 B1 20160921**; CN 104692625 A 20150610; CN 104692625 B 20190201; IT TO20130990 A1 20150605; MY 171460 A 20191015; US 2015152893 A1 20150604; US 9587654 B2 20170307

DOCDB simple family (application)

EP 14196413 A 20141204; CN 201410730013 A 20141204; IT TO20130990 A 20131204; MY PI2014003386 A 20141204; US 201414558274 A 20141202